

SHIP FEB 02

Work Order ID 141162

141162

Page 1

Item ID: 647.3703

Accept

N19000040100

Setup Start *NS1*

Revision ID:

Stop *NS2*

Item Name: 204,205,212,214 Cable Cutter System, Standard

Start Date: 1/29/2016 Start Qty: 1.00

1

Cust Item ID:

Required Date: 2/2/2016 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals:

Process Plan:

Date: 16-1-29

Tooling:

Date:

Run Start *NR1*

QC:

Date:

SPC (Y/N):

Date:

Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
647.3700	NC3								
100		0.00							
100	DOCUMENT CONTROL								
DC	Memo	0.00							
Doc.Control -USB or Paperwork	Photocopy bluefile & type labels per PPP 647.3703								
110	Pick Kit	0.00							
110									
Packaging	Memo	0.00							
Packaging									
120	QC4- 100% Inspect kits for completeness	0.00							
120									
QC	Memo	0.00							
Quality Control									

DAS
6
9-89

MCS 16-01-29

DAS
28
9-89FEB 01 2016
FEB 01 2016

JAN 29 2016

DAS
6
9-89DAS
28
9-89FEB 01 2016
FEB 01 2016

FEB 01 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :				MRB (QS1042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval	
Description Work Order Deviation				Disposition					
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐							
		OTHER : ☐							

Work Order ID 141162***141162***

Page 2

Item ID: 647.3703

Accept

N900040100Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: 204,205,212,214 Cable Cutter System, Standard

Start Date: 1/29/2016 Start Qty: 1.00 ***1***

Cust Item ID:

Required Date: 2/2/2016 Req'd Qty: 1.00 ***1***

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Run Start ***NR1***
Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130		0.00							
130	Packaging								
Packaging	Memo	0.00							
Packaging	Identify and pack for shipping as per PPP 647.3703 Location: <u>fg 101</u>								
140									
	QC21- Final Inspection - Work Order Release	0.00							
140									
QC	Memo	0.00							
Quality Control									

DAS
28
9-88
FEB 01 2016

MCJ FEB 02 2016

MCJ FEB 02 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																																																													
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Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐	Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐	Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐	Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐	Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐	Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐	Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐	Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐	LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐	Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐	Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____			
Misidentified ☐	Past Due ☐																																																																

Picklist Print

Friday, January 29, 2016 7:57:07 AM

Page 1

Work Order ID: 141162

141162

Parent Item: 647.3703

647 3703

Parent Item Name: 204,205,212,214 Cable Cutter System, Standard

Start Date: 1/29/2016

Required Date: 2/2/2016

Start Qty: 1.00

Required Qty: 1.00

Comments:

IPP REV:A 12.10.26 NEW ISSUE DD VERF:JLM
REV:B 15.01.26 as per ecr 14-214 DD VERF:JLM
PER REV NC3 15.03.18 JLM VERIFIED BY:DD

IPP
IPP REV:C AS

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
601.3082 *601 3082* RIVET		Purchased	No				Each	21.0000		6			
	DAS 28 9-89			<u>Location</u> CCK099		<u>Loc Qty</u> 21		<u>Loc Code</u>	**			DAS 6 9-89	
				m129702		21				6			
CR3212-4-1 647.3903 *647 3903* Deflector Assembly		Manufactured	No				Each	1.0000		1			
	DAS 28 9-89			<u>Location</u> cck024		<u>Loc Qty</u> 1		<u>Loc Code</u>	**			DAS 6 9-89	DAS 27 9-89
				139795		1							
647.3802 *647 3802* 212 Upper Cutter Assy		Manufactured	No			110	Each	16.0000	1				
	DAS 28 9-89			<u>Location</u> cck030		<u>Loc Qty</u> 16		<u>Loc Code</u>	**			DAS 6 9-89	DAS 27 9-89
				124717		12							
				124722		2				1			
				124723		2							

JAN 29 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																																																																												
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<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2" style="text-align: left;">Root Cause</th> <th colspan="4" style="text-align: left;">FAULT CATEGORY</th> </tr> </thead> <tbody> <tr> <td style="width:10%;">Environment ☐</td> <td style="width:10%;">No Re-verification ☐</td> <td style="width:10%;">Pressure/Forced ☐</td> <td style="width:10%;">Temperature/Cure ☐</td> <td style="width:10%;">Power Loss/Surge ☐</td> <td style="width:10%;">Positioned Wrong ☐</td> </tr> <tr> <td>Design ☐</td> <td>Operator ☐</td> <td>Bending ☐</td> <td>Set-up ☐</td> <td>Folio/Program ☐</td> <td>Outside Dimensions ☐</td> </tr> <tr> <td>Doc/Data ☐</td> <td>Offset/Setup ☐</td> <td>Centre Not Concentric ☐</td> <td>BOM/Route ☐</td> <td>Grain ☐</td> <td>Over/Under tolerance ☐</td> </tr> <tr> <td>Equip/Tooling ☐</td> <td>Supplier ☐</td> <td>Cracks ☐</td> <td>Broken/Damage/Defect ☐</td> <td>Weld ☐</td> <td>Part Incorrect ☐</td> </tr> <tr> <td>Handling/Pre ☐</td> <td>Training ☐</td> <td>Crimp/Kink/Ripple/Wave ☐</td> <td>Inspection Incomplete/Unqualified ☐</td> <td>Wrong Stock Pulled ☐</td> <td>Part Lost/Missing ☐</td> </tr> <tr> <td>Material ☐</td> <td>Use for Testing ☐</td> <td>Cuffs ☐</td> <td>Contamination ☐</td> <td>Out of Sequence ☐</td> <td>Part Moved ☐</td> </tr> <tr> <td>Internal Transport ☐</td> <td>Poor Information ☐</td> <td>Crushing ☐</td> <td>Countersink ☐</td> <td>Off-set ☐</td> <td>Drawing ☐</td> </tr> <tr> <td>Tribal Knowledge ☐</td> <td>Rushing ☐</td> <td>Heat Treat ☐</td> <td>Cut Too Short ☐</td> <td>Mislabeled ☐</td> <td>Finish ☐</td> </tr> <tr> <td>LOA ☐</td> <td>Product Improvement ☐</td> <td>Wave/Twist in Tube ☐</td> <td>Instructions Incomplete/Unclear ☐</td> <td>Fit/Function ☐</td> <td>Misread ☐</td> </tr> <tr> <td>Substation ☐</td> <td>Process Improvement ☐</td> <td>Marks/Chatter ☐</td> <td>Drill Holes ☐</td> <td>Misaligned/off center ☐</td> <td>Turning Sequence ☐</td> </tr> <tr> <td>Past Expiry Date ☐</td> <td>Manufacturing Process ☐</td> <td colspan="4" rowspan="2" style="text-align: center; vertical-align: top;">OTHER : ☐</td> </tr> <tr> <td>Misidentified ☐</td> <td>Past Due ☐</td> </tr> </tbody> </table>					Root Cause		FAULT CATEGORY				Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐	Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐	Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐	Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐	Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐	Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐	Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐	Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐	LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐	Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐	Past Expiry Date ☐	Manufacturing Process ☐	OTHER : ☐				Misidentified ☐	Past Due ☐
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Picklist Print

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Page 2

Work Order ID: 141162

141162

Parent Item: 647.3703

647 3703

Parent Item Name: 204,205,212,214 Cable Cutter System, Standard

Start Date: 1/29/2016

Required Date: 2/2/2016

Start Qty: 1.00

Required Qty: 1.00

647.3803 Manufactured No

110 Each 2.0000 1 1

647 3803

Lower Cutter Assembly

DAS
28
9-89

Location

Loc Qty

Loc Code

cck29

2

124720

2

647.4410 Manufactured No

110 Each 22.0000 1 1

647 4410

Rail

DAS
28
9-89

Location

Loc Qty

Loc Code

CCK081

22

120755

6

120986

16

647.4010 Manufactured No

110 Each 25.0000 1 1

647 4010

Wiper Deflector RH

DAS
28
9-89

Location

Loc Qty

Loc Code

cck87

25

120740

17

m129721

8

647.4011 Manufactured No

110 Each 24.0000 1 1

647 4011

Wiper Deflector LH

DAS
28
9-89

Location

Loc Qty

Loc Code

cck78

24

120741

17

m129721

7

DAS
6
9-89
27
9-89

DAS
6
9-89
27
9-89

DAS
6
9-89
27
9-89

DAS
6
9-89
27
9-89

JAN 29 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :				MRB (QS1042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval	
Description Work Order Deviation				Disposition					
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐							
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Page 3

Work Order ID: 141162

141162

Parent Item: 647.3703

647 3703

Parent Item Name: 204,205,212,214 Cable Cutter System, Standard

Start Date: 1/29/2016

Required Date: 2/2/2016

Start Qty: 1.00

Required Qty: 1.00

647.4110

Manufactured No

110

Each

21.0000

1

1

647 4110

Doubler

DAS
28
9-89

Location

Loc Qty

Loc Code

CCK080

21

120742

3

120987

18

**

DAS
6
9-89
27
9-89

647.4111

Manufactured No

110

Each

22.0000

1

1

647 4111

Doubler

DAS
28
9-89

Location

Loc Qty

Loc Code

cck111

22

120743

16

120967

6

**

DAS
6
9-89
27
9-89

647.4112

Manufactured No

110

Each

10.0000

1

1

647 4112

Clip

DAS
28
9-89

Location

Loc Qty

Loc Code

CCK112

10

126770

10

**

DAS
6
9-89
27
9-89

647.4113

Manufactured No

110

Each

10.0000

1

1

647 4113

Clip

DAS
28
9-89

Location

Loc Qty

Loc Code

CCK112

10

126771

10

**

DAS
6
9-89
27
9-89

JAN 29 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
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Work Order ID: 141162

141162

Parent Item: 647.3703

647 3703

Parent Item Name: 204,205,212,214 Cable Cutter System, Standard

Start Date: 1/29/2016

Required Date: 2/2/2016

Start Qty: 1.00

Required Qty: 1.00

647.4114 Manufactured No

110 Each 49.0000 2 2

647 4114

Shim

DAS
28
9-89

Location

Loc Qty

Loc Code

CCK112

49

120635

14

120746

28

120941

7

**

DAS
6
9-89
27
9-89

647.4115 Manufactured No

110 Each 34.0000 2 2

647 4115

Shim

D/
28
9-89

Location

Loc Qty

Loc Code

CCK112

34

120747

31

120949

3

**

DAS
6
9-89
27
9-89

647.4116 Manufactured No

110 Each 26.0000 1 1

647 4116

Shim

DAS
28
9-89

Location

Loc Qty

Loc Code

CCK112

26

120748

6

121064

20

**

DAS
6
9-89
27
9-89

647.4210 Manufactured No

110 Each 21.0000 1 1

647 4210

Bracket LH

DAS
28
9-89

Location

Loc Qty

Loc Code

CCK112

6

120749

6

CCK123

15

121086

15

**

DAS
6
9-89
27
9-89

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DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :				MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval	
Description Work Order Deviation				Disposition					
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐							
		OTHER : ☐							

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Page 5

Work Order ID: 141162

141162

Parent Item: 647.3703

647 3703

Parent Item Name: 204,205,212,214 Cable Cutter System, Standard

Start Date: 1/29/2016

Required Date: 2/2/2016

Start Qty: 1.00

Required Qty: 1.00

647.4211 Manufactured No

110 Each 21.0000 1 1

647 4211

Bracket RH

DAS

6

9-89

27

9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

CCK112

6

120750

6

CCK123

15

121134

15

647.4212 Manufactured No

110 Each 8.0000 1 1

647 4212

Plate

DAS

6

9-89

27

9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

CCK112

8

120945

3

m129702

5

647.4311 Manufactured No

110 Each 6.0000 1 1

647 4311

RH Lower Strut

DAS

6

9-89

27

DAS
28
9-89

Location

Loc Qty

Loc Code

CCK67

6

126398

6

647.4310 Manufactured No

110 Each 25.0000 1 1

647 4310

LH Lower Strut

DAS

6

9-89

27

DAS
28
9-89

Location

Loc Qty

Loc Code

cck066

25

126395

19

126396

6

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Page 5

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QS1042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐							
		OTHER : ☐							

Picklist Print

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Work Order ID: 141162

141162

Parent Item: 647.3703

647 3703

Parent Item Name: 204,205,212,214 Cable Cutter System, Standard

Start Date: 1/29/2016

Required Date: 2/2/2016

Start Qty: 1.00

Required Qty: 1.00

647.4312 Manufactured No

110 Each 6.0000 1 1

647 4312

LH Upper Strut

DAS
28
9-89

Location

Loc Qty

Loc Code

CCK67

6

126399

6

**

DAS
6
9-89

DAS
27
9-89

647.4313 Manufactured No

110 Each 6.0000 1 1

647 4313

RH Upper Strut

DAS
28
9-89

Location

Loc Qty

Loc Code

cck068

6

126401

6

**

DAS
6
9-89

DAS
27
9-89

NAS1149FN832P Purchased No

110 Each 3,661.000 34 34

NAS1149FN832P

Washer

DAS
28
9-89

Location

Loc Qty

Loc Code

GA

2117

M133316

16

M133769

2101

ST262

1544

M133709

1544

**

DAS
6
9-89

DAS
27
9-89

NAS1149F0332P Purchased No

110 Each 2,205.000 157 157

NAS1149F0332P

Washer

DAS
28
9-89

Location

Loc Qty

Loc Code

GA

396

m133709

396

ST260a

1500

m134055

1500

ST262

309

m133938

309

**

DAS
6
9-89

DAS
27
9-89

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157

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DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition			
				Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : ☐					

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Work Order ID: 141162

141162

Parent Item: 647.3703

647 3703

Parent Item Name: 204,205,212,214 Cable Cutter System, Standard

Start Date: 1/29/2016

Required Date: 2/2/2016

Start Qty: 1.00

Required Qty: 1.00

MS27039-1-07

Purchased

No

110

Each

397.0000

12

12

MS27039-1-07

Screw

DAS

6

9-89

27

9-89

Location

Loc Qty

Loc Code

GA

334

125654

334

ST281

63

m127813

63

MS27039-1-10

DAS

28

9-89

Purchased

No

110

Each

142.0000

42

42

MS27039-1-10

SCREW

DAS

6

9-89

27

9-89

Location

Loc Qty

Loc Code

CA

41

m128635

41

GA

50

m129541

50

ST280

51

m132677

51

MS27039-08-08

Purchased

No

110

Each

59.0000

16

16

MS27039-08-08

Screw

DAS

6

9-89

27

9-89

Location

Loc Qty

Loc Code

CA

8

m130113

8

ST278

51

m130799

51

DAS

28

9-89

JAN 29 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :				MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval	
Description Work Order Deviation				Disposition					
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____							
Misidentified ☐	Past Due ☐								

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Work Order ID: 141162

141162

Parent Item: 647.3703

647.3703

Parent Item Name: 204,205,212,214 Cable Cutter System, Standard

Start Date: 1/29/2016

Required Date: 2/2/2016

Start Qty: 1.00

Required Qty: 1.00

MS27039-1-09

Purchased

No

110

Each

113.0000

14

14

MS27039-1-09

Screw

DAS
6
9-89

MS
27
9-89

Location

Loc Qty

Loc Code

FP001

34

18057

34

GA

36

124859

36

ST280

43

125646

43

MS27039-08-11

Purchased

No

110

Each

460.0000

2

MS27039-08-11

SCREW

DAS
6
9-89

MS
27
9-89

Location

Loc Qty

Loc Code

over006

450

m133769

450

ST278

10

m133363

10

MS24694-S49

Purchased

No

110

Each

228.0000

1

MS24694-S49

Screw

DAS
6
9-89

MS
27
9-89

Location

Loc Qty

Loc Code

ST284

228

m129499

100

m129702

128

MS24694-C53

Purchased

No

110

Each

128.0000

8

MS24694-C53

Screw

DAS
6
9-89

MS
27
9-89

Location

Loc Qty

Loc Code

ST285

128

m129702

128

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DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :				MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval	
Description Work Order Deviation				Disposition					
Root Cause		FAULT CATEGORY							
Environment ☐	☐ No Re-verification	☐ Pressure/Forced	☐ Temperature/Cure	☐ Power Loss/Surge	☐ Positioned Wrong				
Design ☐	☐ Operator	☐ Bending	☐ Set-up	☐ Folio/Program	☐ Outside Dimensions				
Doc/Data ☐	☐ Offset/Setup	☐ Centre Not Concentric	☐ BOM/Route	☐ Grain	☐ Over/Under tolerance				
Equip/Tooling ☐	☐ Supplier	☐ Cracks	☐ Broken/Damage/Defect	☐ Weld	☐ Part Incorrect				
Handling/Pre ☐	☐ Training	☐ Crimp/Kink/Ripple/Wave	☐ Inspection Incomplete/Unqualified	☐ Wrong Stock Pulled	☐ Part Lost/Missing				
Material ☐	☐ Use for Testing	☐ Cuffs	☐ Contamination	☐ Out of Sequence	☐ Part Moved				
Internal Transport ☐	☐ Poor Information	☐ Crushing	☐ Countersink	☐ Off-set	☐ Drawing				
Tribal Knowledge ☐	☐ Rushing	☐ Heat Treat	☐ Cut Too Short	☐ Mislabeled	☐ Finish				
LOA ☐	☐ Product Improvement	☐ Wave/Twist in Tube	☐ Instructions Incomplete/Unclear	☐ Fit/Function	☐ Misread				
Substation ☐	☐ Process Improvement	☐ Marks/Chatter	☐ Drill Holes	☐ Misaligned/off center	☐ Turning Sequence				
Past Expiry Date ☐	☐ Manufacturing Process	OTHER : _____							
Misidentified ☐	☐ Past Due								

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Work Order ID: 141162

141162

Parent Item: 647.3703

647 3703

Parent Item Name: 204,205,212,214 Cable Cutter System, Standard

Start Date: 1/29/2016

Required Date: 2/2/2016

Start Qty: 1.00

Required Qty: 1.00

601.3073

Purchased No

110 Each

6.0000

1 1

601 3073

Connector

**

DAS
28
9-89

Location

Loc Qty

Loc Code

CCK099

6

M133344

1

M133781

5

AN3-4A

Purchased No

110 Each

312.0000

3 3

AN3-4A

Bolt

**

Location

Loc Qty

Loc Code

over003

250

DAS
28
9-89

m133990

250

ST350

62

m129682

10

m133694

52

AN3-11A

Purchased No

110 Each

141.0000

8 8

AN3-11A

Bolt

**

Location

Loc Qty

Loc Code

over003

100

DAS
28
9-89

m133992

100

ST349

41

m133561

41

AN3C10A

Purchased No

110 Each

5.0000

2 2

AN3C10A

Bolt

**

Location

Loc Qty

Loc Code

ST349

5

DAS
28
9-89

m128634

5

DAS
6
9-89
JAN 29 2016

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DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :				MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval	
Description Work Order Deviation				Disposition					
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐							
		☐ OTHER : _____							

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Work Order ID: 141162

141162

Parent Item: 647.3703

647 3703

Parent Item Name: 204,205,212,214 Cable Cutter System, Standard

Start Date: 1/29/2016

Required Date: 2/2/2016

Start Qty: 1.00

Required Qty: 1.00

CR3212-4-2

Purchased

No

110

Each

70.0000

5

5

CR3212-4-2

DAS

DAS
28
9-89

DAS
28
9-89

Cherry Rivet

Location

Loc Qty

Loc Code

ST321

70

m133363

70

CR3212-4-3

Purchased

No

110

Each

0.0000

17

17

CR3212-4-3

DAS
28
9-89

Cherry Rivet

Location

Loc Qty

Loc Code

CR3212-4-4

CR3212-4-04

Purchased

No

110

Each

0.0000

7

7

CR3212-4-4

DAS
28
9-89

CHERRY RIVET

Location

Loc Qty

Loc Code

CCK004

590

123785

400

m129702

190

ST321

25

123352

25

CCR264SS-3-03

Purchased

No

110

Each

259.0000

16

16

CCR264SS-3-03

Rivet

DAS
28
9-89

Location

Loc Qty

Loc Code

LG001

59

m128606

59

ST321

200

m134023

200

DAS

6 DAS

9-89 27

9-89

DAS

6 DAS

9-89 27

9-89

DAS

6 DAS

9-89 27

9-89

DAS

6 DAS

9-89 27

9-89

DAS

6 DAS

9-89 27

9-89

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DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐							
		OTHER : ☐							

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Work Order ID: 141162

141162

Parent Item: 647.3703

647 3703

Parent Item Name: 204,205,212,214 Cable Cutter System, Standard

Start Date: 1/29/2016

Required Date: 2/2/2016

Start Qty: 1.00

Required Qty: 1.00

CR3213-4-2

Purchased No

110 Each 461.0000 31 31

CR3213-4-2

Cherry Rivet

**

DAS
28
9-89

Location

Loc Qty

Loc Code

CCK003

192

123301

192

ST319

269

m131340

269

CR3213-4-3

Purchased No

110 Each 638.0000 24 24

CR3213-4-3

Rivet, Cherry

**

DAS
28
9-89

Location

Loc Qty

Loc Code

CCK004

140

m129541

100

m130388

40

ST318

200

m131340

200

ST320

298

123301

298

CR3213-4-4

Purchased No

110 Each 324.0000 16 16

CR3213-4-4

Rivet, Cherry

**

DAS
28
9-89

Location

Loc Qty

Loc Code

CCK004

212

M133694

212

ST319

48

M130388

48

ST320

64

126282

64

DAS
6
9-89
27
9-89

DAS
6
9-89
27
9-89

DAS
6
9-89
27
9-89

JAN 29 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :				MRB (QS1042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval	
Description Work Order Deviation				Disposition					
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐							
		OTHER : ☐							

Picklist Print

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Page 12

Work Order ID: 141162

141162

Parent Item: 647.3703

647 3703

Parent Item Name: 204,205,212,214 Cable Cutter System, Standard

Start Date: 1/29/2016

Required Date: 2/2/2016

Start Qty: 1.00

Required Qty: 1.00

CR3213-4-5

Purchased No

110 Each 125.0000 28 28

CR3213-4-5

Rivet

**

133561

DAS 6 27 9-89

DAS 28 9-89

Location

Loc Qty

Loc Code

ST319

125

M129913

125

CR3213-4-8

Purchased No

110 Each 132.0000 4 4

CR3213-4-8

Rivet

**

DAS 28 9-89

Location

Loc Qty

Loc Code

ST319

132

123785

132

MS21042-3

MS21042L3

Purchased No

110 Each 18.0000 79 79

MS21042-3

Nut / use MS21042L3

**

133790

DAS 6 27 9-89

DAS 28 9-89

Location

Loc Qty

Loc Code

ST304

18

M129682

18

MS21042-08

MS21042L08

Purchased No

110 Each 33.0000 18 18

MS21042-08

USE MS21042L08

**

1133922

DAS 6 27 9-89

DAS 28 9-89

Location

Loc Qty

Loc Code

ST304

25

122815

25

ST306

8

m130388

8

JAN 29 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :				MRB (QS1042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval	
Description Work Order Deviation				Disposition					
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐							
		OTHER : ☐							

Picklist Print

Friday, January 29, 2016 7:57:09 AM

Page 13

Work Order ID: 141162

141162

Parent Item: 647.3703

647.3703

Parent Item Name: 204,205,212,214 Cable Cutter System, Standard

Start Date: 1/29/2016

Required Date: 2/2/2016

Start Qty: 1.00

Required Qty: 1.00

MS21047L06

Purchased No

110 Each 88.0000 6 6

MS21047L06

Nut Plate

DAS 27 9-89

DAS 28 9-89

Location

Loc Qty

Loc Code

ST301

17

129702

17

ST303

71

m131340

71

MS21047L08

Purchased No

110 Each 81.0000 6 6

MS21047L08

Nut Plate

DAS 27 9-89

DAS 28 9-89

Location

Loc Qty

Loc Code

ST301

81

m129702

81

MS21047-3

Purchased No

110 Each 189.0000 4 4

MS21047-3

Nut Plate

DAS 27 9-89

DAS 28 9-89

Location

Loc Qty

Loc Code

ST301

189

m133938

89

m134055

100

MS21071L3

Purchased No

110 Each 226.0000 4 4

MS21071L3

ANCHOR NUT

DAS 27 9-89

DAS 28 9-89

Location

Loc Qty

Loc Code

ST299

125

124291

21

m129702

104

ST301

101

114348

1

125654

100

JAN 29 2016

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Shop Packet Print

Page 13

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition			
				Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
☐ OTHER : _____					

Picklist Print

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Page 14

Work Order ID: 141162

141162

Parent Item: 647.3703

647 370.3

Parent Item Name: 204,205,212,214 Cable Cutter System, Standard

Start Date: 1/29/2016

Required Date: 2/2/2016

Start Qty: 1.00

Required Qty: 1.00

601.3083

Manufactured No

110

Each

4.0000

1

1

601 308.3

Adhesive Rubber Seal

DAS
28
9-89

Location

Loc Qty

Loc Code

cck012

4

9

130723

4

601.1012

600.1012

Purchased

No

110

Each

0.0000

1

1

601 101.2

Sealant (One 6 oz)

DAS
28
9-89

Location

Loc Qty

Loc Code

CCK096

3

m133275

3

CCK109

10

m133588

10

601.2045

Purchased

No

110

Each

13.0000

1

1

601 204.5

RTV (LOCTITE 598)McMaster p/n: 6641A41

DAS
28
9-89

5/31/2017

JAN 29 2016

DAS
6
27
9-89

DAS
6
27
9-89

DAS
6
27
9-89

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :				MRB (QS1042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval	
Description Work Order Deviation				Disposition					
Root Cause		FAULT CATEGORY							
Environment ☐	☐ No Re-verification	☐ Pressure/Forced	☐ Temperature/Cure	☐ Power Loss/Surge	☐ Positioned Wrong				
Design ☐	☐ Operator	☐ Bending	☐ Set-up	☐ Folio/Program	☐ Outside Dimensions				
Doc/Data ☐	☐ Offset/Setup	☐ Centre Not Concentric	☐ BOM/Route	☐ Grain	☐ Over/Under tolerance				
Equip/Tooling ☐	☐ Supplier	☐ Cracks	☐ Broken/Damage/Defect	☐ Weld	☐ Part Incorrect				
Handling/Pre ☐	☐ Training	☐ Crimp/Kink/Ripple/Wave	☐ Inspection Incomplete/Unqualified	☐ Wrong Stock Pulled	☐ Part Lost/Missing				
Material ☐	☐ Use for Testing	☐ Cuffs	☐ Contamination	☐ Out of Sequence	☐ Part Moved				
Internal Transport ☐	☐ Poor Information	☐ Crushing	☐ Countersink	☐ Off-set	☐ Drawing				
Tribal Knowledge ☐	☐ Rushing	☐ Heat Treat	☐ Cut Too Short	☐ Mislabeled	☐ Finish				
LOA ☐	☐ Product Improvement	☐ Wave/Twist in Tube	☐ Instructions Incomplete/Unclear	☐ Fit/Function	☐ Misread				
Substation ☐	☐ Process Improvement	☐ Marks/Chatter	☐ Drill Holes	☐ Misaligned/off center	☐ Turning Sequence				
Past Expiry Date ☐	☐ Manufacturing Process	OTHER : _____							
Misidentified ☐	☐ Past Due								

REFERENCE ONLY

DAS
28
9-89

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES IS PROHIBITED.

NOTES:

- 1 AFTER INSTALLATION, APPLY F/N 54 A/R TO FILL GAPS AND FILLET EDGES.
- 2 IF REQD, USE F/N 32 TO CONNECT CO-AXIAL CABLE.
- 3 VENDOR : ONLINECOMPONENTS.COM
- 4 AT CUSTOMERS OPTION, INSTALL F/N 56 BY MATCH DRILLING ONTO F/N 1 OR F/N 2.
- 5 APPLY F/N 55 TO FAYING SURFACES.
- 6 VENDOR : MCMMASTER-CARR
VENDOR P/N: 86715K27
60A DUROMETER

DETAIL C

4/203

647.3701 SHOWN

UNINCORPORATED ECN(S)

01228, 04845, 048501

REV	DESCRIPTION	DATE	APPROVED
1	LAST PRODUCTION RELEASE	09/29/89	APC
2	INITIAL RELEASE	09/29/89	APC

16	16	16	16	41	601.2207	NUTPLATE RIVET	00820455-003
12	12	12	12	40	601.2491	NUTPLATE RIVET	00820455-004
7	7	4	4	39	601.1066	CHERRY RIVET	008212-4-4
17	17	17	17	38	601.1065	CHERRY RIVET	008212-4-3
5	5	6	6	37	601.1604	CHERRY RIVET	008212-4-2
6	6	6	6	36	601.3082	CHERRY RIVET	008212-4-1
2	2	2	2	35	601.1874	BOLT	4040-104
8	8	8	8	34	601.2826	BOLT	4040-104
3	3	3	3	33	601.2823	BOLT	4040-104
1	1	1	1	32	601.3073	CONNECTOR	080-4440
8	8	8	8	31	601.2419	SCREW	MS20446-003
1	1	1	1	30	601.3070	SCREW	MS20446-003
2	2	2	2	29	601.2893	SCREW	MS20446-003
14	14	14	14	28	601.3067	SCREW	MS20446-003
16	16	16	16	27	601.2263	SCREW	MS20446-003
42	42	42	42	26	601.1365	SCREW	MS20446-003
12	12	12	12	25	601.2196	SCREW	MS20446-003
157	157	157	157	24	601.1607	WASHER	MS20446-003
34	34	34	34	23	601.2704	WASHER	MS20446-003
1	1	1	1	22	647.4319	RM UPPER STRUT	
1	1	1	1	21	647.4312	LM UPPER STRUT	
1	1	1	1	20	647.4310	LM LOWER STRUT	
1	1	1	1	17	647.4311	RM LOWER STRUT	
1	1	1	1	16	647.4312	PLATE	
1	1	1	1	15	647.4311	BRACKET RM	
1	1	1	1	14	647.4310	BRACKET LM	
1	1	1	1	13	647.4313	SHIM	
2	2	2	2	12	647.4315	SHIM	
2	2	2	2	11	647.4314	SHIM	
1	1	1	1	10	647.4313	CLIP	
1	1	1	1	9	647.4312	CLIP	
1	1	1	1	8	647.4311	DOUBLER	
1	1	1	1	7	647.4310	DOUBLER	
1	1	1	1	6	647.4011	WIPER DEFLECTOR LH	
1	1	1	1	5	647.4010	WIPER DEFLECTOR RH	
1	1	1	1	4	647.3915	DEFLECTOR	
1	1	1	1	3	647.4410	RAIL	
1	1	1	1	2	647.3604	LOWER CUTTER ASSY HIGH	
1	1	1	1	1	647.3603	LOWER CUTTER ASSY LOW	
1	1	1	1	0	647.3802	212 UPPER CUTTER ASSY	
1	1	1	1	-1	647.3601	412 UPPER CUTTER ASSY	
1	1	1	1	-2	647.3704	204, 205, 212 CABLE CUTTERS KIT HIGH	
1	1	1	1	-3	647.3703	204, 205, 212 CABLE CUTTERS KIT LOW	
1	1	1	1	-4	647.3702	412 CABLE CUTTERS KIT HIGH	
1	1	1	1	-5	647.3701	412 CABLE CUTTERS KIT LOW	

REF	REF	REF	REF	56	647.3701	GPS MOUNT KIT		
A/R	A/R	A/R	A/R	55	601.2045	RTV	1000000000	4
A/R	A/R	A/R	A/R	54	601.1012	SEALANT	1000000000	4
1	1	1	1	53	601.3063	ADHESIVE RUBBER SEAL	MS20446-003	4
4	4	4	4	52	601.2957	NUTPLATE	MS20446-003	4
4	4	4	4	51	600.0795	NUTPLATE	MS20446-003	4
6	6	6	6	50	601.3066	NUTPLATE	MS20446-003	4
6	6	6	6	49	601.3065	NUTPLATE	MS20446-003	4
1A	1A	1A	1A	48	601.2973	LOCKNUT	MS20446-003	4
7A	7A	7A	7A	47	601.2943	LOCKNUT	MS20446-003	4
4	4	4	4	46	601.2364	CHERRY RIVET	MS20446-003	4
28	28	28	28	45	601.1183	CHERRY RIVET	MS20446-003	4
16	16	16	16	44	601.1915	CHERRY RIVET	MS20446-003	4
24	24	24	24	43	601.0790	CHERRY RIVET	MS20446-003	4
31	31	31	31	42	601.1039	CHERRY RIVET	MS20446-003	4
3704	3703	3702	3701					
REF	REF	REF	REF	56	647.3701	GPS MOUNT KIT		
A/R	A/R	A/R	A/R	55	601.2045	RTV	1000000000	4
A/R	A/R	A/R	A/R	54	601.1012	SEALANT	1000000000	4
1	1	1	1	53	601.3063	ADHESIVE RUBBER SEAL	MS20446-003	4
4	4	4	4	52	601.2957	NUTPLATE	MS20446-003	4
4	4	4	4	51	600.0795	NUTPLATE	MS20446-003	4
6	6	6	6	50	601.3066	NUTPLATE	MS20446-003	4
6	6	6	6	49	601.3065	NUTPLATE	MS20446-003	4
1A	1A	1A	1A	48	601.2973	LOCKNUT	MS20446-003	4
7A	7A	7A	7A	47	601.2943	LOCKNUT	MS20446-003	4
4	4	4	4	46	601.2364	CHERRY RIVET	MS20446-003	4
28	28	28	28	45	601.1183	CHERRY RIVET	MS20446-003	4
16	16	16	16	44	601.1915	CHERRY RIVET	MS20446-003	4
24	24	24	24	43	601.0790	CHERRY RIVET	MS20446-003	4
31	31	31	31	42	601.1039	CHERRY RIVET	MS20446-003	4
3704	3703	3702	3701					
REF	REF	REF	REF	56	647.3701	GPS MOUNT KIT		
A/R	A/R	A/R	A/R	55	601.2045	RTV	1000000000	4
A/R	A/R	A/R	A/R	54	601.1012	SEALANT	1000000000	4
1	1	1	1	53	601.3063	ADHESIVE RUBBER SEAL	MS20446-003	4
4	4	4	4	52	601.2957	NUTPLATE	MS20446-003	4
4	4	4	4	51	600.0795	NUTPLATE	MS20446-003	4
6	6	6	6	50	601.3066	NUTPLATE	MS20446-003	4
6	6	6	6	49	601.3065	NUTPLATE	MS20446-003	4
1A	1A	1A	1A	48	601.2973	LOCKNUT	MS20446-003	4
7A	7A	7A	7A	47	601.2943	LOCKNUT	MS20446-003	4
4	4	4	4	46	601.2364	CHERRY RIVET	MS20446-003	4
28	28	28	28	45	601.1183	CHERRY RIVET	MS20446-003	4
16	16	16	16	44	601.1915	CHERRY RIVET	MS20446-003	4
24	24	24	24	43	601.0790	CHERRY RIVET	MS20446-003	4
31	31	31	31	42	601.1039	CHERRY RIVET	MS20446-003	4
3704	3703	3702	3701					
REF	REF	REF	REF	56	647.3701	GPS MOUNT KIT		
A/R	A/R	A/R	A/R	55	601.2045	RTV	1000000000	4
A/R	A/R	A/R	A/R	54	601.1012	SEALANT	1000000000	4
1	1	1	1	53	601.3063	ADHESIVE RUBBER SEAL	MS20446-003	4
4	4	4	4	52	601.2957	NUTPLATE	MS20446-003	4
4	4	4	4	51	600.0795	NUTPLATE	MS20446-003	4
6	6	6	6	50	601.3066	NUTPLATE	MS20446-003	4
6	6	6	6	49	601.3065	NUTPLATE	MS20446-003	4
1A	1A	1A	1A	48	601.2973	LOCKNUT	MS20446-003	4
7A	7A	7A	7A	47	601.2943	LOCKNUT	MS20446-003	4
4	4	4	4	46	601.2364	CHERRY RIVET	MS20446-003	4
28	28	28	28	45	601.1183	CHERRY RIVET	MS20446-003	4
16	16	16	16	44	601.1915	CHERRY RIVET	MS20446-003	4
24	24	24	24	43	601.0790	CHERRY RIVET	MS20446-003	4
31	31	31	31	42	601.1039	CHERRY RIVET	MS20446-003	4
3704	3703	3702	3701					
REF	REF	REF	REF	56	647.3701	GPS MOUNT KIT		
A/R	A/R	A/R	A/R	55	601.2045	RTV	1000000000	4
A/R	A/R	A/R	A/R	54	601.1012	SEALANT	1000000000	4
1	1	1	1	53	601.3063	ADHESIVE RUBBER SEAL	MS20446-003	4
4	4	4	4	52	601.2957	NUTPLATE	MS20446-003	4
4	4	4	4	51	600.0795	NUTPLATE	MS20446-003	4
6	6	6	6	50	601.3066	NUTPLATE	MS20446-003	4
6	6	6	6	49	601.3065	NUTPLATE	MS20446-003	4
1A	1A	1A	1A	48	601.2973	LOCKNUT	MS20446-003	4
7A	7A	7A	7A	47	601.2943	LOCKNUT	MS20446-003	4
4	4	4	4	46	601.2364	CHERRY RIVET	MS20446-003	4
28	28	28	28	45	601.1183	CHERRY RIVET	MS20446-003	4
16	16	16	16	44	601.1915	CHERRY RIVET	MS20446-003	4
24	24	24	24	43	601.0790	CHERRY RIVET	MS20446-003	4
31	31	31	31	42	601.1039	CHERRY RIVET	MS20446-003	4
3704	3703	3702	3701					

QTY		PARTS LIST	
NEXT ASSY (5)		APICAL INDUSTRIES	
		2608 TEMPLE HEIGHTS DR	
		OCEANVIEW, CA 92086-3512 (760)724-5300	
		412 CABLE CUTTERS KIT	
ORDER PARTS		REF. ORDER CODE	
204, 205, 212 CABLE CUTTERS KIT HIGH		R 070474	
204, 205, 212 CABLE CUTTERS KIT LOW		SCALE NONE	
212 CABLE CUTTERS KIT HIGH		1 SHEET	
212 CABLE CUTTERS KIT LOW		4 OF 5	